



**METRO**  
Municipality of Metropolitan Seattle

Exchange Building • 821 Second Ave. • Seattle, WA 98104-1598

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

September 20, 1988

Mr. Lenonard Compher  
Lone Star Industries  
P.O. Box 1730  
Seattle, WA 98111

Dear Mr. Compher:

Re: Issuance of Wastewater Discharge Permit to  
by the Municipality of Metropolitan Seattle (Metro)  
Permit No. 7529.

Your application for issuance of a Discharge Permit has been reviewed and processed in accordance with Chapter 90.48 RCW as Amended, Public Law 92-500 and Metro Resolution 3374.

The enclosed issued permit (No. 7529) covers the wastewater discharge from the Lone Star industries facility located at 5975 East Marginal Way South, Seattle into the Metro sewerage system. All discharges from this facility, and actions and reports relating thereto shall be in accordance with the terms and conditions of this permit.

Please keep in mind that an application for renewal of this permit shall be filed with Metro no later than one hundred eighty (180) days prior to the expiration of this permit.

If you have any questions, please contact Raymond Carveth at 684-2326.

Very truly yours,

Elsie J. Hulsizer  
Industrial Waste Supervisor  
Metro Environmental Lab

EJH/RAC:mwr  
Enclosure

cc: Department of Ecology  
Seattle Sewer Utility Section  
Doug Hilderbrand, Metro

USEPA SF



1270092

METRO PERMIT FACT SHEET

Date: September 20, 1988

Company: Lone Star Industries

Is permit a renewal, new, or a revision? Renewal

How company came to Metro's attention: Our first contact was in Dec. of 1969 when the company contacted Metro for information on the disposal of waste waters to Metro. This permit is partly due to the fact that DOE will only accept a portion of the surface water from this site. The company is currently remodeling the site for their purposes as well as for environmental reasons. The goal of the company is to improve the site to the point that a permit is not necessary.

Permitted industrial volume: 60,000 gpd

Nature of business and types of wastes generated: Waste water from the washdown of concrete delivery trucks and from contaminated surface waters.

Category of discharge limits: Metro general limits

Permit drafted by: Ray Carveth

Date application received: See special comments

Date permit fee paid: The company has now determined the fee was paid to the wrong place. Their finance department apparently sent the money to the Seattle sewer department and they now have a very large credit on their sewer bill. We have reissued the bill and they are in the process of paying it.

Date draft permit issued: July 13, 1988

Date public comment period completed: Comment period for the application ended on August 13, 1988

Comments received from: The company and the department of Ecology on the draft permit.

\* Company comments dealt with minor rewording in the pretreatment section and a minor change to the compliance schedule dates.

\* The Department of Ecology comments dealt with addition of cautionary language for surface water runoff, sample site description, further sample type description and changing the Metro limits for Cadmium, Chrome and adding an upper pH limit. I have responded to all of the comments except the changes to our limits. As agreed in a meeting on August 10, 1988 between Elsie Hulsizer and Doug Hilderbrand of Metro and Nancy Winters and Doug Knutsen of Ecology, Metro cannot change its local limits without going through proper procedures and a formal adoption process. The issue of changes to our local limits to be consistent with hazardous waste limits will be dealt with as part of a local limit review process.

Date permit was ready for issuance: September 20, 1988. See note in permit fee section.

Special Comments: This permit was extended to August 31, 1988 in order that the company and the new Japanese partners could come to agreement on the remodeling and pretreatment plans for this site. This process has been completed and the company has already started the remodeling phase. The new Japanese partners have been pursuing pretreatment technology in Japan and have suggested a system that may improve the waste water to the point it can be recycled into the product. The goal of both the company management and Metro is for the company not to have a discharge to us.

WASTE DISCHARGE PERMIT

Municipality of Metropolitan Seattle  
METRO  
Seattle, Washington 98104

In Accordance with the Provisions  
of Chapter 90.48 RCW as Amended,  
Public Law 92-500 and Metro  
Resolution 3374, a Waste  
Discharge Permit is  
Issued to:

LONE STAR INDUSTRIES

Plant Location: 5975 East Marginal Way South

Mailing Address: P.O. Box 1730  
Seattle, WA 98134

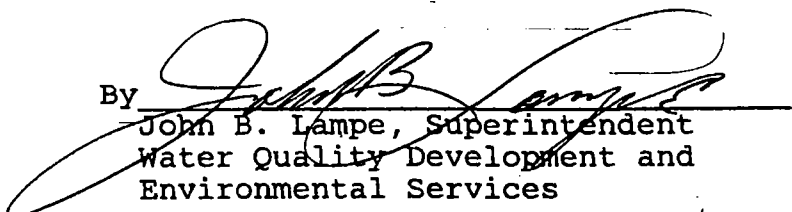
is hereby authorized to discharge industrial wastewater from  
the above identified facility into the Metro sewer system in  
accordance with the effluent limitations, monitoring  
requirements and other conditions set forth in this permit.

All discharges authorized herein shall be consistent with the  
terms and conditions of this permit.

The permit shall become effective on 09/20/88 and shall  
expire at midnight on 09/20/93.

The permittee shall not discharge after the date of  
expiration. If the permittee wishes to continue to discharge  
after this expiration date an application must be filed for  
reissuance of this permit in accordance with the requirements  
of Chapter 90.48 RCW as Amended, Public Law 92-500 and Metro  
Resolution 3374, a minimum of 180 days prior to the  
expiration date.

By

  
John B. Lampe, Superintendent  
Water Quality Development and  
Environmental Services

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ID AND EMERGENCY NOTIFICATION INFO

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Discharge to: West Point Treatment Plant

West Point Phone No: 684-1800

Industry Type: Ready mix concrete production

Limit Category: Limits M-84

Station No. A4304

Hazardous Waste Generator No.: None required

Washington State Department of Ecology Emergency Spill

Phone No.: 867-7000

Metro Section Industrial Waste Numbers:

Ray Carveth, Industrial Waste Investigator 684-2326

Elsie Hulsizer, Industrial Waste Supervisor 684-2364

## TABLE OF CONTENTS

Section	Topic/Title	Page
S1	Volume Limitations	4
S2	Effluent Limitations and Violation Criteria	4
S3	Monitoring	7
S4	Reporting	8
S5	Operations and Maintenance	10
S6	Compliance Schedule	12
S7	General Conditions	13
Appendix		
A1	Criteria Constitution a Violation	
A2	Monitoring & Reporting	
A3	Operations & Reporting	
	A. Chemical Storage	
	B. Spill Preventions	
	C. Pretreatment	
	D. General	
	Solid Waste	
	Applicability	
	Sample Site	
	Prohibitions	
	Additional Requirement	
A4	Washington Department of Ecology (Ecology) Conditions	
A5	Definition/Requirements for Discharge of Dangerous Wastes (WAC 173-303-070-130 & WAC 173-303-802(5))	

S1 VOLUME LIMITATIONS

- A. Waste from the Permittee's industrial operations located at 5975 East Marginal Way South, Seattle, Washington totalling not more than 60,000 gallons per day, may be discharged to the municipal sewer system in the following quantities:

Type	Quantity (GPD)
Industrial Wastewater	27,975
Cooling Water (Non Contact)	-0-
Sanitary Wastewater (based on max employee #115)	4,025
ponded contaminated storm water	28,000

The permittee is authorized to discharge up to 48,000 gallons per day of combined process wastewater and ponded contaminated stormwater without the prior notice or approval of Metro. If the permittee finds it necessary to exceed this daily maximum discharge volume, due to accumulation of contaminated stormwater on its premises, they must contact the Metro Industrial Waste Section (phone 684-2326) and secure approval prior to exceeding this limit. Under no circumstances shall the combined discharge from this facility exceed the 60,000 gallons per day listed above.

S2 EFFLUENT LIMITATIONS AND VIOLATION CRITERIA

A. GENERAL REQUIREMENTS

During the period during which this permit is in force the Permittee is authorized to discharge the wastestreams listed in the permit application to the sanitary sewer system subject to the following limitations.

Industrial wastewater from regulated processes shall comply with the effluent limitations prior to dilution with other wastewaters unless a fixed alternative discharge limit is approved by Metro.

The Lone Star Industries facility located at 5975 East Marginal Way South, Seattle, Washington is not allowed to treat and discharge dangerous waste (defined by WAC 173-303-070-130, see Appendix 5) to the sanitary sewer by reason of the issuance of this waste discharge permit to them under the criteria of permit-by-rule (WAC 173-303-802-5).

# B. VIOLATION CRITERIA

Criteria for determining violations are listed in Appendix A1. The appendix also lists criteria for mass violations and reporting violations. The more restrictive limitation, concentration or quantity (mass) shall prevail.

## S2C EFFLUENT LIMITATIONS

## Metro Limits

<u>Parameter</u>	<u>Effluent Limitations</u> <u>Daily Max (mg/l)</u>	<u>Max</u> <u>lbs/day</u>
Arsenic (As)	1.0	.50
Cadmium (Cd)	1.2	.60
Chromium (Cr)	6.0	3.00
Copper (Cu)	3.0	1.50
Lead (Pb)	3.0	1.50
Mercury (Hg)	0.1	.05
Nickel (Ni)	6.0	3.00
Silver (Ag)	1.0	.50
Zinc (Zn)	5.0	2.50
Cyanide (Cn, T(b))	2.0	1.00
Polar Fats Oils & Grease (FOG) (c)	100	NA
Non Polar FOG (d)	100	NA
pH minimum (e)	5.5	NA
Temperature	150 F	NA
Settleable Solids	7.0	3.50

## Notes:

- (a) NA = Not applicable
- (b) CN,T - Total Cyanide
- (c) Polar FOG = FOG of animal vegetable oxygen
- (d) Non Polar FOG = FOG of mineral petroleum origin
- (e) pH is in standard units



## S3 MONITORING FOR COMPANIES WITH SELF MONITORING

It is the responsibility of the Permittee to test and observe their effluent to insure that the effluent limitations of this permit are met. The Permittee shall monitor its discharges to the municipal sewer for the parameters listed below.

<u>Parameter</u>	<u>Sample Site</u>	<u>Minimum Frequency</u>	<u>Sample Type</u>
pH		3 times daily during each day of discharge.	grab/recording pH meter/litmus
Flow		Record the total flow for each day of discharge	
Settleable Solids		1/week	

## S4 REPORTING

The Permittee shall submit reports to Metro according to the schedule listed below. Appendix A2 lists general requirements for reporting.

## A. SELF-MONITORING REPORTS

The monthly Self-Monitoring Reports shall contain the (metals, cyanide, pH, FOG, other, flow) data specified in Section S3 or, if appropriate, a notification that no discharge has occurred. These reports shall be submitted to Metro no later than the 15th day of the following month.

B. SUMMARY OF REQUIRED REPORTS

<u>Report Name</u>	<u>Frequency</u>	<u>Due Date/Comments</u>
Self-monitoring reports	Monthly/	Commencement of monitoring upon receipt of signed permit. Report to be filed no later than the 15th day of each month following the sample collection as required in Section S3.
Spill of Upset Conditions Report	As needed	Reason, characteristics of spill, and corrective action taken. To be filed within 14 days of notification of spill.
Reports of Discharge Violations	14 days after violation known to permittee or with self-monitoring report	See Appendix A2
Report for installation Upgrade of Pretreatment System	As needed prior to installation/upgrade	See Appendix A2 Approval required before installation/upgrade occurs
Copies of dangerous Waste Reports filed with Ecology	As requested by Metro	As required by the Washington Dept of Ecology

## S5 OPERATIONS AND MAINTENANCE

The permittee shall use waste preventative practices to reduce or eliminate contaminant loading to the Municipal Sewer System. These practices shall include proper chemical storage, spill prevention and notification, maintenance and operation of any required pretreatment equipment and maintenance of required sample site(s). The items listed in this section list specific operation and maintenance requirements for your facility. Additional general operation/maintenance requirements are listed in Appendix A3. Requirements for preventing contamination of Waters of the State are listed in Appendix A4.

- A. CHEMICAL STORAGE - Chemical solutions, solid chemicals, waste materials, oils and solvents shall be stored in a manner that will prevent the inadvertent entry of these materials into the municipal sewer system. All chemicals shall be stored in a no-outlet area approved by Metro.

1. See also --- Chemical Storage Requirements in Appendix A3A.

- B. SPILL PREVENTION/NOTIFICATION - The Permittee shall notify Metro immediately in the event of a spill to the sanitary sewer. The Permittee shall insure that process solutions are used and stored in such a manner as to minimize spills of concentrated solutions to the sanitary sewer, see also Spill Control requirements in Appendix A3B.

- C. PRETREATMENT EQUIPMENT MAINTENANCE AND OPERATIONS

All pretreatment systems used to bring the Permittee's discharge into compliance with Metro's discharge limitations shall be maintained continuously in satisfactory and effective operations by the Permittee at his expense, and shall be subject to periodic inspections by authorized Metro Personnel. These systems shall be attended at all times during discharge to the municipal sewer system. In the event that such equipment fails, the Permittee must notify Metro immediately and take spill prevention precautions.

1. The permittee shall maintain the following pretreatment system.

The filter press system and any other or additional solids removal equipment that may be deemed necessary to meet the pretreatment limitations.

2. See also Pretreatment Equipment Maintenance and Operations Equipment in Appendix A3C.

- D. **SAMPLE SITE AND GENERAL REQUIREMENTS** - The Permittee shall maintain the sample site(s) and follow the general conditions listed in Appendix A3D.

The permittee shall maintain the sample site to monitor and collect representative samples of the permittee's effluent.

**S6 SPECIAL CONDITIONS/ADDITIONAL REQUIREMENTS/COMPLIANCE SCHEDULE**

- A. From the issuance date of this permit until October 31, 1988 Lone Star Industries will research pretreatment methods available to the cement and concrete industries. The purpose of this research will be to purchase and install an effective pretreatment system for the removal of solids. A brief report outlining the results of this research and detailing the equipment Lone Star Industries intends to purchase and install will be submitted to your Metro representative no later than November 15, 1988.
- B. ~~From November 30, 1988 until October 31, 1989 Lone Star Industries will purchase, install and evaluate the pretreatment equipment deemed most appropriate by the research phase of this compliance schedule.~~
- C. By November 15, 1989 Lone Star Industries will submit a report to your Metro representative outlining the reduction in solids loadings to Metro and the efficiency rates of the pretreatment equipment.

- Note 1)      The ultimate goal of the purchase and installation of this pretreatment equipment is to produce process waters clean enough to be reused in Lone Star Industries production process. A secondary goal in this process is to modify the Lone Star Industries production facility location to the point where surface waters can be discharged to the storm drain system.
- Note 2)      In June of 1990 Metro will re-evaluate the need for a permit for this facility. If the two above mentioned goals have been met Lone Star Industries may no longer need a permit.

S7

## GENERAL CONDITIONS

1. All discharges and activities authorized herein shall be consistent with the terms and conditions of this permit. The discharge or any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute violation of the terms and conditions of this permit. Whenever the permittee refuses to take corrective action or continues the violating condition, the imposition of civil penalties and/or termination of this permit may result. Termination of this permit may require disposal of the industrial waste in some manner other than into the public sewer, private sewer, or side sewer tributary to the municipal sewer system at the expense of the person holding the permit.
2. Any facility changes which will result in a significant change in character or volume of pollutants discharged to the municipal sewer system must be reported to the permit authority. No change shall be made until plans have been approved and a new or modified permit has been issued. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.
3. The diversion or bypass of any discharge from any pretreatment facility utilized by the permittee to maintain compliance with the terms of this permit is prohibited except where unavoidable to prevent loss of life or severe property damage. The procedure outlined in paragraph #4 shall be followed in case of such a diversion or bypass.
4. In the event the permittee is unable to comply with any of the conditions of this permit because of a breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature, the permittee shall:
  - a. take immediate action to stop, contain and clean up the unauthorized discharges and correct the problem.

- b. immediately notify the Municipality of Metropolitan Seattle so steps can be taken to prevent damage to the sewerage system.
- c. submit a written report describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent a recurrence.

Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this permit or the resulting liability for failure to comply.

- 5. The Permittee shall adequately maintain and efficiently operate all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.
- 6. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
  - a. violation of any terms or conditions of this permit;
  - b. obtaining this permit by misrepresentation or failure to fully disclose all relevant facts; or
  - c. a change in any condition that requires a temporary or permanent reduction or elimination or permanent discharge.
- 7. The permittee shall, at all reasonable times, allow authorized representatives of the Municipality of Metropolitan Seattle:
  - a. ~~to enter that portion of the premises~~ where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this permit;
  - b. to inspect any monitoring equipment or monitoring methods required by this permit; or
  - c. to sample any discharge of pollutants.

8. If a toxic standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Federal Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in the permit, the permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee shall be so notified. Section 307(a) requires that the Administrator of the Environmental Protection Agency shall promulgate effluent standards (or prohibition) for toxic pollutants which he has listed as such.
9. Nothing in this permit shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.
10. This permit does not constitute authority for discharge into waters of the state. Any such discharge is subject to enforcement action by the Department of Ecology.